

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-003903**Date Inspected:** 14-Sep-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 1400**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2230**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Fu Yu Hong**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

CALTRANS Quality Assurance (QA) Inspector, Alfredo Acuna was present for the fabrication scheduled for this project at the ZPMC facility in Shanghai, China for the San Francisco Oakland Bay Self Anchored Suspension Bridge.

Bay #OBG Assembly

Random observations of the ZPMC's MT examinations at the excavated areas

The QA inspector performed random visual and MT verifications after ZPMC ground the U-ribs PJP at areas identified by Caltrans as crack like indications areas. The QA inspector found areas that appeared to be crack like indications at the deck panel DP-056-001 weld 8, 9 and 10.

UT/ UTPA

The QA inspector performed Phased array examination at all the areas repaired by ZPMC on the deck panel DP-050-001 and DP-051-001. The QA inspector found 5 remaining crack like indications on deck panel DP-050-001 and 3 remaining crack like indications on deck panel DP-051-001 that appeared to be extended inside of the 9.6 mm depth of penetration.

Summary of Conversations:

The QA inspector did not have any relevant conversation on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Ady Velasco, 858 344-8746, who represents the Office of Structural Materials for

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

your project.

Inspected By: Acuna,Alfredo

Quality Assurance Inspector

Reviewed By: Lanz,Joe

QA Reviewer